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## Patent Abstracts of Japan

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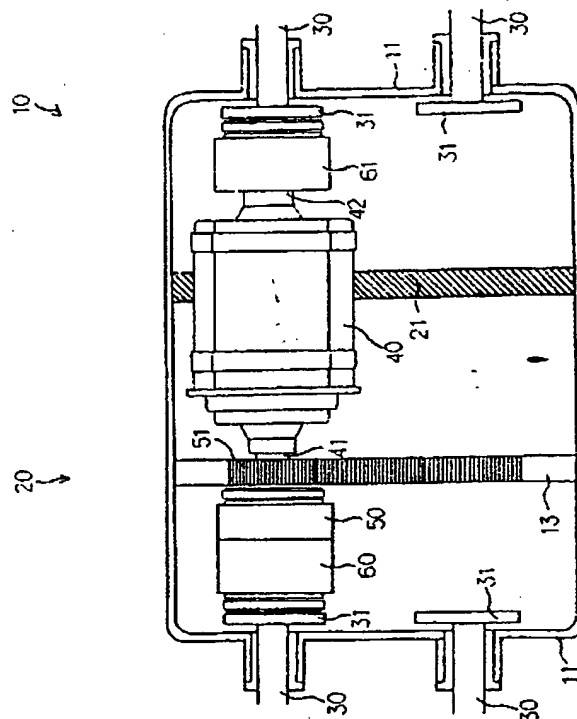
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INVENTOR : IMANAGA EISUKE;

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TITLE : POWER TRANSMITTING DEVICE FOR  
AUTOMOBILE



**ABSTRACT :** PURPOSE: To promote the miniaturization of the whole unit of a device, by providing the device suitable for a regulating device of height, angle, etc., of a seat for an automobile and constituting the device so that power can be output from plural acting shafts by a single motor in a rotary unit rotatably housed on its own axis in a cylindrical housing.

**CONSTITUTION:** A rotary unit 20 is internally mounted to the inside of a cylindrical housing 10 which rotatably supports plural acting shafts 30 respectively to both side plates 11 with an equal angle interval, and a ring-shaped internal gear 13 is fixed to the internal surface of a cylindrical plate 12 of the housing 10. The rotary unit 20, which is constituted of a motor 40, on-its own-axis rotating electromagnetic clutch 50 and the first power transmitting electromagnetic clutch 60 fixed to the first output shaft 41 of said motor 40 and the second power transmitting electromagnetic clutch 61 fixed to the second output shaft 42, is supported by a rotary ring 21 ensuring smooth rotation in the housing 10. While the first output shaft 41 fixes a pinion gear 51 to be meshed with the internal gear 13.

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